

Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

PROCEEDINGS

OF THE

American Philosophical Society

HELD AT PHILADELPHIA

FOR

PROMOTING USEFUL KNOWLEDGE

VOLUME LXI

1922



PHILADELPHIA
THE AMERICAN PHILOSOPHICAL SOCIETY
1922

PRESS OF THE NEW ERA PRINTING COMPANY LANCASTER, PA.

CONTENTS

1	Page
A Possible Explanation of Upper Eocene Climates. By ED-	
ward W. Berry	I
The Earth Inductor Compass. By Paul R. Heyl and Lyman	
J. Briggs	15
The Probable Action of Lipoids in Growth. By D. T. MAC-	
Dougal	33
The Small Entelodonts of the White River Oligocene. By	
William J. Sinclair	53
Hyracodons from the Big Badlands of South Dakota. By WIL-	
LIAM J. SINCLAIR	65
The Use of Devices for Indicating Vowel Length in Latin. By	
John C. Rolfe	80
Some Peculiarities of the Novæ. By E. E. BARNARD	99
The Relations of the Retinal Image to Animal Reactions. By	
G. H. Parker	107
Some Typographic and Climatic Characters in the Annual Rings	
of the Yellow Pines and Sequoias of the Southwest. By	
A. E. Douglass	117
The Effect of Diurnal Variation of Clock Rates upon Longitude	
Work. By R. H. Tucker	123
Ecologic and Morphologic Study of the Clovers (Trifolium).	
By John W. Harshberger	136
The Færæ Language. By J. Dyneley Prince	151
Minutes	i
Discussion of a Kinetic Theory of Gravitation, II; and Some	
New Experiments in Gravitation. By Charles F. Brush	167
Lithology of the White River Sediments. By HAROLD F. WAN-	
LASS	184
Yellow Fever and Fishes. By C. H. EIGENMANN	204
Arc Spectra and Ionization Potentials in Dissociated Gases. By	
K. T. Compton	212
Manna, Nectar, and Ambrosia. By PAUL HAUPT	227

Application of Biophysical Research to Medical Problems. By	
G. W. Crile and Hugo Fricke	237
The Age of the Earth from the Geological Viewpoint. By T. C.	
Chamberlin	247
The Age of the Earth from the Paleontological Viewpoint. By	
John M. Clarke	272
The Age of the Earth from the Point of View of Astronomy.	
By Ernest W. Brown	283
The Radio-Active Point of View. By WILLIAM DUANE	286

CORRIGENDA.

Page 84, line 14, for p. 79 read p. 86. Page 86, line 9, for p. 91 read p. 98. Page 87, line 7, for p. 86 read p. 93. Page 93, line 20, for p. 83 read p. 90.

Page 93, footnote, for p. 80 read p. 87. Page 96, line 6, for p. 84 read p. 91.

Page 96, line 14, for p. 84 read p. 91.

Page 153, line 2 should be transferred and made line 1 on p. 152.